

Graham M Leverick

List of Publications by Year in descending order

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19
papers

435
citations

1040056

9
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

670
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of iodide in the formation of lithium hydroxide in lithium–oxygen batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1828-1842.	30.8	107
2	Solvent-Dependent Oxidizing Power of LiI Redox Couples for Li-O ₂ Batteries. <i>Joule</i> , 2019, 3, 1106-1126.	24.0	82
3	Supramolecular Regulation of Anions Enhances Conductivity and Transference Number of Lithium in Liquid Electrolytes. <i>Journal of the American Chemical Society</i> , 2018, 140, 10932-10936.	13.7	70
4	Tuning NaO ₂ Cube Sizes by Controlling Na ⁺ and Solvent Activity in Na–O ₂ Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18316-18328.	3.1	29
5	Solvent- and Anion-Dependent Li ⁺ –O ₂ Coupling Strength and Implications on the Thermodynamics and Kinetics of Li–O ₂ Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4953-4967.	3.1	29
6	Using Entropy Measures to Characterize Human Locomotion. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 121002.	1.3	18
7	Accelerating amorphous polymer electrolyte screening by learning to reduce errors in molecular dynamics simulated properties. <i>Nature Communications</i> , 2022, 13, .	12.8	18
8	Quantitative Mapping of Molecular Substituents to Macroscopic Properties Enables Predictive Design of Oligoethylene Glycol-Based Lithium Electrolytes. <i>ACS Central Science</i> , 2020, 6, 1115-1128.	11.3	15
9	Salicylate Method for Ammonia Quantification in Nitrogen Electroreduction Experiments: The Correction of Iron III Interference. <i>Journal of the Electrochemical Society</i> , 2020, 167, 134519.	2.9	13
10	Optimization of the salicylate method for ammonia quantification from nitrogen electroreduction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115250.	3.8	11
11	Modeling the Effect of Lithium Superoxide Solvation and Surface Reduction Kinetics on Discharge Capacity in Lithium–Oxygen Batteries. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14272-14282.	3.1	9
12	Importance of Equilibration Method and Sampling for <i>Ab Initio</i> Molecular Dynamics Simulations of Solvent–Lithium-Salt Systems in Lithium-Oxygen Batteries. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 7255-7266.	5.3	9
13	Coarse quantization in calculations of entropy measures for experimental time series. <i>Nonlinear Dynamics</i> , 2015, 79, 93-100.	5.2	8
14	Tunable Redox Mediators for Li–O ₂ Batteries Based on Interhalide Complexes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6689-6701.	8.0	5
15	Six-Electron Reduction of LiO ₃ to LiOH in Aprotic Solvents and Implications for Li–O ₂ Batteries. <i>Journal of Physical Chemistry C</i> , 2022, 126, 8256-8267.	3.1	5
16	Alkali Metal Salt Interference on the Salicylate Method for Quantifying Ammonia from Nitrogen Reduction. , 0, , .		4
17	Investigation of the Suitability of Utilizing Permutation Entropy to Characterize Gait Dynamics. , 2013, , .		3
18	Probing the Influence of Solvation Entropy on Li ⁺ /Li Redox in Aprotic Electrolytes. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0

#	ARTICLE	IF	CITATIONS
19	The Thermodynamic and Kinetic Influence of Solvent, Counter Anion and Salt Concentration on ORR in Li-O ₂ Batteries. ECS Meeting Abstracts, 2019, , .	0.0	0